



2834  
**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Nobuhiro SHIOYA et al.

Application No.: 09/925,604

Filed: August 10, 2001

Docket No.: 111306

For: ROTARY ELECTRIC MACHINE

#4/Revocation. Pk  
Hawkins  
4/25/02

**SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Enclosed is a Power of Attorney by Assignee to be made of record in the above-identified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Thomas J. Pardini  
Registration No. 30,411

JAO:TJP/scg  
Date: February 20, 2002

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
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**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**POWER OF ATTORNEY BY ASSIGNEE**



Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Denso Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Denso Corporation is the Assignee of the entire right, title and interest in the following Patent Applications for which an Assignment has been filed, but the original Assignment, indicating the date and reel and frame number of recordation, has not yet been returned:

<u>U.S. Patent Application No.</u>	<u>Filed</u>	<u>Inventors</u>
09/925,604	August 10, 2001	Nobuhiro SHIOYA et al.
09/899,856	July 9, 2001	Shigenobu NAKAMURA et al.
09/922,689	August 7, 2001	Masahiko OSADA et al.
09/922,690	August 7, 2001	Toshiyo OGINO et al.

A copy of the Recordation Cover Sheet and executed Assignment as filed for these applications is attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignee's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office:

James A. Oliff, Registration No. 27,075;  
William P. Berridge, Registration No. 30,024;  
Kirk M. Hudson, Registration No. 27,562;  
Thomas J. Pardini, Registration No. 30,411;  
Edward P. Walker, Registration No. 31,450;  
Robert A. Miller, Registration No. 32,771;  
Mario A. Costantino, Registration No. 33,565;  
Stephen J. Roe, Registration No. 34,463;  
Joel S. Armstrong, Registration No. 36,430;

Christopher W. Brown, Registration No. 38,025;  
Richard E. Rice, Registration No. 31,560; and  
Paul Tsou, Registration No. 37,936.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION  
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA,  
VIRGINIA 22320. TELEPHONE: (703) 836-6400.

Date

February 19, 2002

Signature

Masashi Kamiya

Typed Name: Masashi Kamiya

Title: General Manager



## APPENDIX A

<u>U.S. Patent Application Serial No.</u>	<u>Filed</u>	<u>Oliff &amp; Berridge, PLC Docket No.</u>	<u>Reel/Frame No.</u>
09/651,196	August 30, 2000	111268	011056/0252
09/679,063	October 5, 2000	111269	011220/0590
09/689,773	October 13, 2000	111270	011243/0956
09/761,453	November 21, 2000	111271	011687/0350
09/717,297	November 22, 2000	111272	011316/0749
09/731,859	December 8, 2000	111273	011350/0090
09/742,003	December 22, 2000	111276	011396/0286
09/759,453	January 16, 2001	111278	011464/0024
09/759,472	January 16, 2001	111279	011465/0678
09/773,632	February 2, 2001	111280	011515/0492
09/800,510	March 8, 2001	111283	011589/0211
09/810,179	March 19, 2001	111284	011624/0348
09/817,213	March 27, 2001	111285	011656/0369
09/827,214	April 6, 2001	111286	011696/0156
09/842,915	April 27, 2001	111288	011757/0562
09/843,696	April 30, 2001	111289	011757/0300
09/924,595	August 9, 2001	111304	012065/0560
09/925,317	August 10, 2001	111305	012076/0237
09/939,640	August 28, 2001	111308	012126/0760
09/940,646	August 29, 2001	111309	012126/0259
09/947,559	September 7, 2001	111312	012156/0287
09/492,935	October 29, 1999	111320	010363/0947
09/482,959	January 14, 2000	111321	010511/0062

U.S. Patent  
Application Serial  
No.

Filed

Oliff & Berridge.  
PLC Docket No.

Reel/Frame  
No.

09/588,612

June 6, 2000

111326

011024/0684

**RECORDATION FORM COVER SHEET  
PATENT APPLICATIONS & PATENTS ONLY**

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. Nobuhiro SHIOYA

2. Hitoshi IRIE

3.

4.

5.

6.

7.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: July 27, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) July 27, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR If not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR If not in item 1
NEW APPLICATION	0280256				

5. Name &amp; Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP  
Intellectual Property Group  
1600 Tysons Boulevard  
McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 0280256 57247-US-SuS/mk

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

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CLIENT REF.

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CLIENT NO.

MATTER NO.

9.

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

2

Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/tel

TEL: (703) 905-2020

Date: August 10, 2001

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Pillsbury Winthrop LLP  
1600 Tysons Boulevard  
McLean VA 22102

USA Patent Appln.  
Sole or Joint

For inventions made outside USA  
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Atty. Dkt. PW

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT  
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Nobuhiro Shioya

(2) Hitoshi Irie

(3)

(4)

(5)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION

1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PREF., 448-8661 JAPAN

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF  
INVENTION

ROTARY ELECTRIC MACHINE

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appln. No.

filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

DATE SIGNED

WITNESSES

1):

Name: Nobuhiro Shioya

Nobuhiro Shioya

July 27, 2001

2)

Name: Hitoshi Irie

Hitoshi Irie

July 27, 2001

3)

Name:

4)

Name:

5)

Name:

Hitoshi Irie

Hitoshi Irie